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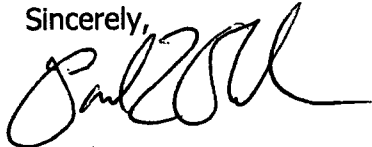
David Duster  
U.S. Environmental Protection Agency  
Region 8, 8ENF-T  
999 18<sup>th</sup> Street, Suite 300  
Denver, Colorado 80202-2466

RE: Apex Inspection Reports – January 2013 thru July 2013

Dear David:

Attached are inspection reports for January 2013 thru July 2013.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul L. Glader".

Paul L. Glader  
Manager Environmental Services

Encl

# Annual Site Inspection Summary Sheet - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

## Form 1 of 4 - Summary

Date: <u>1/27/13</u>			
Inspector: <u>D. Runn</u>			
Cover System Component	Potential Problem		Limits Potentially Exceeded
Site Perimeter	Erosion or Fencing Issues		NA
Cover System (outslopes, top, rock)	Subsidence		Minor: ponding < 1" some gulying / erosion Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
			Significant: see Table 2 Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Embankment Slope Stability		excessive movement or surface cracks > than 1" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gulying	on top	depth > 1" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		at embankment crest or on outslope	depth > 2" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in normal flow channel in diversion channel	no gulying allowed Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in diversions at toe of impoundment outslope	no gulying allowed Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		in diversion channel at any other location	NA NA
	Erosion Protection Stability		rock subsiding or missing Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Seepage		no colored seepage allowed (red, blue, yellow w/ crystallization) Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Runoff Control System	Diversion Channel	rock in place, channel not moving, fence stable Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>	
	Diversion Swales	rock in place, no silting in or head cutting Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>	
	Excessive silt build up at fence lines in diversion channel	allowed if not effecting cover system Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 2 of 4 - Site Perimeter**

Inspection Date: <u>1/27/13</u>	
Inspector: <u>D. Turner</u>	
<b>Visible Outlying Areas</b>	
Observed Condition:	<u>Nothing out of the ordinary</u>
Observed Damage:	<u>None</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>Property Boundary Fence and Gate (walk fence line)</b>	
Observed Condition:	<u>No New problems</u>
Observed Damage:	<u>None</u>
Potential Corrective Actions:	<u>None</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>All Upgradient Areas (areas that drain onto property)</b>	
Observed Condition:	<u>No Change</u>
Observed Damage:	<u>None</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 3 of 4 - Impoundment**

Inspection Date: <u>1/27/13</u> Inspector: <u>D. Turner</u>			
<b>Outslopes</b>			
Observed Performance:	Rock Cover Subsidence:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Slope Movement (failure):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gully Development:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Observable Leachate (colored):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Siltation (at slope toe):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			
<b>Top (top surface soils)</b>			
Observed Performance:	Cracking (>1" width):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Settlement / Evidence of Ponding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Erosion / Gullyng:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			
<b>Erosion Protection Layer (rock)</b>			
Observed Performance:	Rock Staying in Place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Rock Subsiding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Missing Rock:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 4 of 4 - Diversion Channel and Swales**

Date: <u>1/27/13</u> Inspector: <u>[Signature]</u>			
<b>Diversion Channel</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Normal Flow Channel in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Encroaching on Site Fencing:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			
<b>Diversion Swales</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Flow Channel Silting In:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Head Cutting:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			

\* Mark all areas of concern or requiring repairs on attached site map.

# Annual Site Inspection Summary Sheet - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

## Form 1 of 4 - Summary

Date: <u>2/18/13</u>			
Inspector: <u>D. Trum</u>			
Cover System Component	Potential Problem		Limits Potentially Exceeded
Site Perimeter	Erosion or Fencing Issues		NA
Cover System (outslopes, top, rock)	Subsidence		Minor: ponding < 1" some gullying / erosion Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
			Significant: see Table 2 Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Embankment Slope Stability		excessive movement or surface cracks > than 1" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gullying	on top	depth > 1" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		at embankment crest or on outslope	depth > 2" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in normal flow channel in diversion channel	no gullying allowed Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in diversions at toe of impoundment outslope	no gullying allowed Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		in diversion channel at any other location	NA NA
	Erosion Protection Stability		rock subsiding or missing Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Seepage		no colored seepage allowed (red, blue, yellow w/ crystallization) Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Runoff Control System	Diversion Channel		rock in place, channel not moving, fence stable Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
	Diversion Swales		rock in place, no silting in or head cutting Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
	Excessive silt build up at fence lines in diversion channel		allowed if not effecting cover system Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecia Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 2 of 4 - Site Perimeter**

Inspection Date: <u>2/18/13</u>	
Inspector: <u>D. [Signature]</u>	
<b>Visible Outlying Areas</b>	
Observed Condition:	<u>No Change</u>
Observed Damage:	<u>NONE</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>Property Boundary Fence and Gate (walk fence line)</b>	
Observed Condition:	<u>Fence &amp; Gate look fine</u>
Observed Damage:	<u>NONE</u>
Potential Corrective Actions:	<u>none</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>All Upgradient Areas (areas that drain onto property)</b>	
Observed Condition:	<u>Normal</u>
Observed Damage:	<u>NONE</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 3 of 4 - Impoundment**

Inspection Date: 3/18/13

Inspector: D. R.

**Outslopes**

Observed Performance:	Rock Cover Subsidence:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Slope Movement (failure):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gully Development:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Observable Leachate (colored):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Siltation (at slope toe):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: Normal

Potential Corrective Actions: None

**Top (top surface soils)**

Observed Performance:	Cracking (>1" width):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Settlement / Evidence of Ponding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Erosion / Gullyng:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: Normal

Potential Corrective Actions: None

**Erosion Protection Layer (rock)**

Observed Performance:	Rock Staying in Place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Rock Subsiding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Missing Rock:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: None

Potential Corrective Actions: None

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 4 of 4 - Diversion Channel and Swales**

Date: <u>2/18/13</u> Inspector: <u>D. [Signature]</u>			
<b>Diversion Channel</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Normal Flow Channel in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Encroaching on Site Fencing:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			
<b>Diversion Swales</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Flow Channel Silting In:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Head Cutting:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			

\* Mark all areas of concern or requiring repairs on attached site map.

# Annual Site Inspection Summary Sheet - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

## Form 1 of 4 - Summary

Date: <u>March 13 2012</u>				
Inspector: <u>D. Trimmer</u>				
Cover System Component	Potential Problem	Allowable Limits	Limits Potentially Exceeded	
Site Perimeter	Erosion or Fencing Issues	NA	NA	
Cover System (outslopes, top, rock)	Subsidence	Minor: ponding < 1" some gulying / erosion	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>	
		Significant: see Table 2	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
	Embankment Slope Stability	excessive movement or surface cracks > than 1"	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
	Gulying	on top	depth > 1"	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		at embankment crest or on outslope	depth > 2"	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in normal flow channel in diversion channel	no gulying allowed	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in diversions at toe of impoundment outslope	no gulying allowed	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		in diversion channel at any other location	NA	NA
	Erosion Protection Stability	rock subsiding or missing	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
	Seepage	no colored seepage allowed (red, blue, yellow w/ crystallization)	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
Runoff Control System	Diversion Channel	rock in place, channel not moving, fence stable	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>	
	Diversion Swales	rock in place, no silting in or head cutting	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>	
	Excessive silt build up at fence lines in diversion channel	allowed if not effecting cover system	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecia Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 2 of 4 - Site Perimeter**

Inspection Date: <u>3-13-18</u>	
Inspector: <u>D. Turner</u>	
<b>Visible Outlying Areas</b>	
Observed Condition:	<u>Normal</u>
Observed Damage:	<u>None</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>Property Boundary Fence and Gate (walk fence line)</b>	
Observed Condition:	<u>No problems</u>
Observed Damage:	<u>None</u>
Potential Corrective Actions:	<u>None</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>All Upgradient Areas (areas that drain onto property)</b>	
Observed Condition:	<u>No change</u>
Observed Damage:	<u>None</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 3 of 4 - Impoundment**

Inspection Date: <u>3-13-13</u> Inspector: <u>D. Truman</u>			
<b>Ouslopes</b>			
Observed Performance:	Rock Cover Subsidence:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Slope Movement (failure):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gully Development:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Observable Leachate (colored):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Siltation (at slope toe):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>No Change</u>			
Potential Corrective Actions: <u>None</u>			
<b>Top (top surface soils)</b>			
Observed Performance:	Cracking (>1" width):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Settlement / Evidence of Ponding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Erosion / Gullyng:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>No Change</u>			
Potential Corrective Actions: <u>None</u>			
<b>Erosion Protection Layer (rock)</b>			
Observed Performance:	Rock Staying in Place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Rock Subsiding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Missing Rock:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 4 of 4 - Diversion Channel and Swales**

Date: <u>3-13-13</u>			
Inspector: <u>D. T. R...</u>			
<b>Diversion Channel</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Normal Flow Channel in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Encroaching on Site Fencing:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage:	<u>No Change</u>		
Potential Corrective Actions:	<u>None</u>		
<b>Diversion Swales</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Flow Channel Silting In:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Head Cutting:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage:	<u>No Change</u>		
Potential Corrective Actions:	<u>None</u>		

\* Mark all areas of concern or requiring repairs on attached site map.

# Annual Site Inspection Summary Sheet - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

## Form 1 of 4 - Summary

Date: <u>4/28/13</u>			
Inspector: <u>D. [Signature]</u>			
Cover System Component	Potential Problem		Limits Potentially Exceeded
Site Perimeter	Erosion or Fencing Issues		NA
Cover System (outslopes, top, rock)	Subsidence		Minor: ponding < 1" some gulying / erosion Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
			Significant: see Table 2 Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	Embankment Slope Stability		excessive movement or surface cracks > than 1" Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	Gulying	on top	depth > 1" Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		at embankment crest or on outslope	depth > 2" Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		w/in normal flow channel in diversion channel	no gulying allowed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		w/in diversions at toe of impoundment outslope	no gulying allowed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		In diversion channel at any other location	NA NA
	Erosion Protection Stability		rock subsiding or missing Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	Seepage		no colored seepage allowed (red, blue, yellow w/ crystallization) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Runoff Control System	Diversion Channel		rock in place, channel not moving, fence stable Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Diversion Swales		rock in place, no silting in or head cutting Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Excessive silt build up at fence lines in diversion channel		allowed if not effecting cover system Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecia Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 2 of 4 - Site Perimeter**

Inspection Date: <u>4/28/13</u>	
Inspector: <u>D. Turner</u>	
<b>Visible Outlying Areas</b>	
Observed Condition:	<u>No Change</u>
Observed Damage:	<u>None</u>
May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
<b>Property Boundary Fence and Gate (walk fence line)</b>	
Observed Condition:	<u>Fence &amp; gate look good.</u>
Observed Damage:	<u>None</u>
Potential Corrective Actions:	<u>None</u>
May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
<b>All Upgradient Areas (areas that drain onto property)</b>	
Observed Condition:	<u>Good</u>
Observed Damage:	<u>None</u>
May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 3 of 4 - Impoundment**

Inspection Date: <u>4/28/13</u> Inspector: <u>D. Turner</u>			
<b>Outslopes</b>			
Observed Performance:	Rock Cover Subsidence:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Slope Movement (failure):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gully Development:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Observable Leachate (colored):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Siltation (at slope toe):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			
<b>Top (top surface soils)</b>			
Observed Performance:	Cracking (>1" width):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Settlement / Evidence of Ponding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Erosion / Gullyng:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			
<b>Erosion Protection Layer (rock)</b>			
Observed Performance:	Rock Staying in Place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Rock Subsiding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Missing Rock:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 4 of 4 - Diversion Channel and Swales**

Date: <u>4/28/13</u> Inspector: <u>D. James</u>			
<b>Diversion Channel</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Normal Flow Channel in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Encroaching on Site Fencing:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			
<b>Diversion Swales</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Flow Channel Silting In:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Head Cutting:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			

\* Mark all areas of concern or requiring repairs on attached site map.

# Annual Site Inspection Summary Sheet - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

## Form 1 of 4 - Summary

Date: <u>5-7-15</u>				
Inspector: <u>D. Thomas</u>				
Cover System Component	Potential Problem	Allowable Limits	Limits Potentially Exceeded	
Site Perimeter	Erosion or Fencing Issues	NA	NA	
Cover System (outslopes, top, rock)	Subsidence	Minor: ponding < 1" some gulying / erosion	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>	
		Significant: see Table 2	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
	Embankment Slope Stability	excessive movement or surface cracks > than 1"	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
	Gulying	on top	depth > 1"	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		at embankment crest or on outslope	depth > 2"	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in normal flow channel in diversion channel	no gulying allowed	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in diversions at toe of impoundment outslope	no gulying allowed	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		in diversion channel at any other location	NA	NA
	Erosion Protection Stability	rock subsiding or missing	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	
Seepage	no colored seepage allowed (red, blue, yellow w/ crystallization)	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>		
Runoff Control System	Diversion Channel	rock in place, channel not moving, fence stable	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>	
	Diversion Swales	rock in place, no silting in or head cutting	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>	
	Excessive silt build up at fence lines in diversion channel	allowed if not effecting cover system	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>	

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 2 of 4 - Site Perimeter**

Inspection Date: <u>8-7-15</u>	
Inspector: <u>D. Tamm</u>	
<b>Visible Outlying Areas</b>	
Observed Condition:	<u>dry &amp; dusty</u>
Observed Damage:	<u>None</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>Property Boundary Fence and Gate (walk fence line)</b>	
Observed Condition:	<u>gate &amp; fence look good</u>
Observed Damage:	<u>None</u>
Potential Corrective Actions:	<u>None</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>All Upgradient Areas (areas that drain onto property)</b>	
Observed Condition:	<u>No change</u>
Observed Damage:	<u>None</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	

\* Mark all areas of concern or requiring repairs on attached site map.

# Annual Site Inspection - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

## Form 3 of 4 - Impoundment

Inspection Date: 5-5-13

Inspector:

### Outslopes

Observed Performance:	Rock Cover Subsidence:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Slope Movement (failure):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gully Development:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Observable Leachate (colored):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Siltation (at slope toe):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: None

Potential Corrective Actions: None

### Top (top surface soils)

Observed Performance:	Cracking (>1" width):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Settlement / Evidence of Ponding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Erosion / Gullyng:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: None

Potential Corrective Actions: None

### Erosion Protection Layer (rock)

Observed Performance:	Rock Staying in Place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Rock Subsiding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Missing Rock:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: None

Potential Corrective Actions: None

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 4 of 4 - Diversion Channel and Swales**

Date: <u>5-9-13</u>			
Inspector: <u>D. Tru</u>			
<b>Diversion Channel</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Normal Flow Channel in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Encroaching on Site Fencing:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			
<b>Diversion Swales</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Flow Channel Silting In:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Head Cutting:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			

\* Mark all areas of concern or requiring repairs on attached site map.

# Annual Site Inspection Summary Sheet - Apex Site - Pond 2

Hecia Mining Company - Long-Term Maintenance and Monitoring Plan

## Form 1 of 4 - Summary

Date: <u>6/5/13</u>			
Inspector: <u>D. Tammal</u>			
Cover System Component	Potential Problem		Limits Potentially Exceeded
Site Perimeter	Erosion or Fencing Issues		NA
Cover System (outslopes, top, rock)	Subsidence		Minor: ponding < 1" some gullying / erosion Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
			Significant: see Table 2 Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Embankment Slope Stability		excessive movement or surface cracks > than 1" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gullying	on top	depth > 1" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		at embankment crest or on outslope	depth > 2" Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in normal flow channel in diversion channel	no gullying allowed Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in diversions at toe of impoundment outslope	no gullying allowed Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		in diversion channel at any other location	NA NA
	Erosion Protection Stability		rock subsiding or missing Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Seepage		no colored seepage allowed (red, blue, yellow w/ crystallization) Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Runoff Control System	Diversion Channel		rock in place, channel not moving, fence stable Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
	Diversion Swales		rock in place, no silting in or head cutting Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
	Excessive silt build up at fence lines in diversion channel		allowed if not effecting cover system Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecia Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 2 of 4 - Site Perimeter**

Inspection Date: <u>6/5/13</u>	
Inspector: <u>D. Truman</u>	
<b>Visible Outlying Areas</b>	
Observed Condition:	<u>No problems</u> <u>Dry</u>
Observed Damage:	<u>NONE</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>Property Boundary Fence and Gate (walk fence line)</b>	
Observed Condition:	<u>No Change</u>
Observed Damage:	<u>NONE</u>
Potential Corrective Actions:	<u>NONE</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	
<b>All Upgradient Areas (areas that drain onto property)</b>	
Observed Condition:	<u>No problems</u>
Observed Damage:	<u>NONE</u>
May require repair: Yes ___ * No <input checked="" type="checkbox"/>	

\* Mark all areas of concern or requiring repairs on attached site map.

# Annual Site Inspection - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

## Form 3 of 4 - Impoundment

Inspection Date: 6/5/13  
Inspector: D. P. P. P.

### Outslopes

Observed Performance:	Rock Cover Subsidence:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Slope Movement (failure):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gully Development:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Observable Leachate (colored):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Siltation (at slope toe):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: None

Potential Corrective Actions: None

### Top (top surface soils)

Observed Performance:	Cracking (>1" width):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Settlement / Evidence of Ponding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Erosion / Gullyng:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: NO problems

Potential Corrective Actions: None

### Erosion Protection Layer (rock)

Observed Performance:	Rock Staying in Place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Rock Subsiding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Missing Rock:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: None

Potential Corrective Actions: None

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecia Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 4 of 4 - Diversion Channel and Swales**

Date: <u>6/5/13</u>			
Inspector: <u>D. (Thumma)</u>			
<b>Diversion Channel</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Normal Flow Channel in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Encroaching on Site Fencing:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>None</u>			
Potential Corrective Actions: <u>None</u>			
<b>Diversion Swales</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Flow Channel Silting In:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Head Cutting:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>No damage</u>			
Potential Corrective Actions: <u>None</u>			

\* Mark all areas of concern or requiring repairs on attached site map.

## Annual Site Inspection Summary Sheet - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

### Form 1 of 4 - Summary

Date: <u>7/25/13</u>			
Inspector: <u>D. Truman</u>			
Cover System Component	Potential Problem	Allowable Limits	Limits Potentially Exceeded
Site Perimeter	Erosion or Fencing Issues	NA	NA
Cover System (outslopes, top, rock)	Subsidence	Minor: ponding < 1" some gulying / erosion	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
		Significant: see Table 2	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Embankment Slope Stability	excessive movement or surface cracks > than 1"	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gulying	on top	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		at embankment crest or on outslope	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in normal flow channel in diversion channel	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		w/in diversions at toe of impoundment outslope	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
		In diversion channel at any other location	NA
	Erosion Protection Stability	rock subsiding or missing	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Seepage	no colored seepage allowed (red, blue, yellow w/ crystallization)	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Runoff Control System	Diversion Channel	rock in place, channel not moving, fence stable	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
	Diversion Swales	rock in place, no silting in or head cutting	Yes <input checked="" type="checkbox"/> * No <input type="checkbox"/>
	Excessive silt build up at fence lines in diversion channel	allowed if not effecting cover system	Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

\* Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecla Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 2 of 4 - Site Perimeter**

Inspection Date: <u>7/25/13</u>	
Inspector: <u>D. Tamm</u>	
<b>Visible Outlying Areas</b>	
Observed Condition:	<u>Dry. Normal</u>
Observed Damage:	<u>NONE</u>
May require repair: Yes ___ * No <u>✓</u>	
<b>Property Boundary Fence and Gate (walk fence line)</b>	
Observed Condition:	<u>No problems</u>
Observed Damage:	<u>NONE</u>
Potential Corrective Actions:	<u>NONE</u>
May require repair: Yes ___ * No <u>✓</u>	
<b>All Upgradient Areas (areas that drain onto property)</b>	
Observed Condition:	<u>NO changes</u>
Observed Damage:	<u>NONE</u>
May require repair: Yes ___ * No <u>✓</u>	

\* Mark all areas of concern or requiring repairs on attached site map.

# Annual Site Inspection - Apex Site - Pond 2

Hecla Mining Company - Long-Term Maintenance and Monitoring Plan

## Form 3 of 4 - Impoundment

Inspection Date: 7/25/13

Inspector: D. [Signature]

### Outslopes

Observed Performance:	Rock Cover Subsidence:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Slope Movement (failure):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Gully Development:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Observable Leachate (colored):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Excessive Siltation (at slope toe):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: NO problems

Potential Corrective Actions: None

### Top (top surface soils)

Observed Performance:	Cracking (>1" width):	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Settlement / Evidence of Ponding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Erosion / Gullyng:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: NO problems

Potential Corrective Actions: None

### Erosion Protection Layer (rock)

Observed Performance:	Rock Staying In Place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Rock Subsiding:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Missing Rock:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>

Observed Damage: NO Change

Potential Corrective Actions: None

Mark all areas of concern or requiring repairs on attached site map.

**Annual Site Inspection - Apex Site - Pond 2**

**Hecia Mining Company - Long-Term Maintenance and Monitoring Plan**

**Form 4 of 4 - Diversion Channel and Swales**

Date: <u>7/25/13</u> Inspector: <u>D. Turner</u>			
<b>Diversion Channel</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Normal Flow Channel in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Encroaching on Site Fencing:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>NO Damage</u>			
Potential Corrective Actions: <u>NONE</u>			
<b>Diversion Swales</b>			
Observed Performance:	Erosion Protection in place:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Flow Channel Silting In:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
	Head Cutting:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	May require repair: Yes <input type="checkbox"/> * No <input checked="" type="checkbox"/>
Observed Damage: <u>NO Damage</u>			
Potential Corrective Actions: <u>NONE</u>			

\* Mark all areas of concern or requiring repairs on attached site map.